RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/537,264_

Source: _PCT/10_

Date Processed by STIC: _6/9/05_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 06/09/2005
PATENT APPLICATION: US/10/537,264   TIME: 10:50:24

Input Set : **N:\RJAVED\10537264.raw.txt**
Output Set: **N:\CRF4\06092005\J537264.raw**

```
   3 <110> APPLICANT: Biolab Sanus Farmaceutica Ltda.; et all
   5 <120> TITLE OF INVENTION: Pharmaceutical Compositions Preparation Of Peptides,
   6       Secreted by The Snake Venom Glands, Particulary Of Bothrops jararaca,
   7       Vasopeptidases Inhibitors, Evasins, Their Analogues, Derivatives And Products
   8       Associated, Thereof. For Development Of Aplications And Use In Chronic-
   9       Degenerative Diseases
  11 <130> FILE REFERENCE: PI0205449-3
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/537,264
C--> 14 <141> CURRENT FILING DATE: 2005-06-01
  16 <150> PRIOR APPLICATION NUMBER: BR PI0205449-3
  17 <151> PRIOR FILING DATE: 2002-12-09
  19 <160> NUMBER OF SEQ ID NOS: 594
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 5
  23 <212> TYPE: PRT
  24 <213> ORGANISM: Bothrops jararaca
  26 <220> FEATURE:
  27 <221> NAME/KEY: mat_peptide
  28 <222> LOCATION: (1)
  29 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
  31 <300> PUBLICATION INFORMATION:
  32 <301> AUTHORs: Camargo, A.C.M.; Santos, Robson; Millan, Ruben;
  33       Ianzer, D.
  35 <400> SEQUENCE: 1
W--> 36 Xaa Ser Trp Pro Pro
  37  1                   5
  40 <210> SEQ ID NO: 2
  41 <211> LENGTH: 5
  42 <212> TYPE: PRT
  43 <213> ORGANISM: Bothrops jararaca
  45 <220> FEATURE:
  46 <221> NAME/KEY: mat_peptide
  47 <222> LOCATION: (1)
  48 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
  50 <400> SEQUENCE: 2
W--> 51 Xaa Lys Trp Pro Pro
  52  1                   5
  55 <210> SEQ ID NO: 3
  56 <211> LENGTH: 5
  57 <212> TYPE: PRT
  58 <213> ORGANISM: Bothrops jararaca
  60 <220> FEATURE:
  61 <221> NAME/KEY: mat_peptide
```

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```
        62 <222> LOCATION: (1)
        63 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        65 <400> SEQUENCE: 3
W-->    66 Xaa Trp Phe Pro Pro
        67  1               5
        70 <210> SEQ ID NO: 4
        71 <211> LENGTH: 5
        72 <212> TYPE: PRT
        73 <213> ORGANISM: Bothrops jararaca
        75 <220> FEATURE:
        76 <221> NAME/KEY: mat_peptide
        77 <222> LOCATION: (1)
        78 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        80 <400> SEQUENCE: 4
W-->    81 Xaa Ser Phe Pro Pro
        82  1               5
        85 <210> SEQ ID NO: 5
        86 <211> LENGTH: 5
        87 <212> TYPE: PRT
        88 <213> ORGANISM: Bothrops jararaca
        90 <220> FEATURE:
        91 <221> NAME/KEY: mat_peptide
        92 <222> LOCATION: (1)
        93 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        95 <400> SEQUENCE: 5
W-->    96 Xaa Lys Phe Pro Pro
        97  1               5
       100 <210> SEQ ID NO: 6
       101 <211> LENGTH: 5
       102 <212> TYPE: PRT
       103 <213> ORGANISM: Bothrops jararaca
       105 <220> FEATURE:
       106 <221> NAME/KEY: mat_peptide
       107 <222> LOCATION: (1)
       108 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       110 <400> SEQUENCE: 6
W-->   111 Xaa Trp Gly Pro Pro
       112  1               5
       115 <210> SEQ ID NO: 7
       116 <211> LENGTH: 5
       117 <212> TYPE: PRT
       118 <213> ORGANISM: Bothrops jararaca
       120 <220> FEATURE:
       121 <221> NAME/KEY: mat_peptide
       122 <222> LOCATION: (1)
       123 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       125 <400> SEQUENCE: 7
W-->   126 Xaa Ser Gly Pro Pro
       127  1               5
```

```
        130 <210> SEQ ID NO: 8
        131 <211> LENGTH: 5
        132 <212> TYPE: PRT
        133 <213> ORGANISM: Bothrops jararaca
        135 <220> FEATURE:
        136 <221> NAME/KEY: mat_peptide
        137 <222> LOCATION: (1)
        138 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        140 <400> SEQUENCE: 8
W--> 141 Xaa Lys Gly Pro Pro
        142  1               5
        145 <210> SEQ ID NO: 9
        146 <211> LENGTH: 5
        147 <212> TYPE: PRT
        148 <213> ORGANISM: Bothrops jararaca
        150 <220> FEATURE:
        151 <221> NAME/KEY: mat_peptide
        152 <222> LOCATION: (1)
        153 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        155 <400> SEQUENCE: 9
W--> 156 Xaa Ser Trp Ala Pro
        157  1               5
        160 <210> SEQ ID NO: 10
        161 <211> LENGTH: 5
        162 <212> TYPE: PRT
        163 <213> ORGANISM: Bothrops jararaca
        165 <220> FEATURE:
        166 <221> NAME/KEY: mat_peptide
        167 <222> LOCATION: (1)
        168 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        170 <400> SEQUENCE: 10
W--> 171 Xaa Lys Trp Ala Pro
        172  1               5
        175 <210> SEQ ID NO: 11
        176 <211> LENGTH: 5
        177 <212> TYPE: PRT
        178 <213> ORGANISM: Bothrops jararaca
        180 <220> FEATURE:
        181 <221> NAME/KEY: mat_peptide
        182 <222> LOCATION: (1)
        183 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
        185 <400> SEQUENCE: 11
W--> 186 Xaa Trp Pro Ala Pro
        187  1               5
        190 <210> SEQ ID NO: 12
        191 <211> LENGTH: 5
        192 <212> TYPE: PRT
        193 <213> ORGANISM: Bothrops jararaca
        195 <220> FEATURE:
```

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```
      196 <221> NAME/KEY: mat_peptide
      197 <222> LOCATION: (1)
      198 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
      200 <400> SEQUENCE: 12
W--> 201 Xaa Ser Pro Ala Pro
      202   1                  5
      205 <210> SEQ ID NO: 13
      206 <211> LENGTH: 5
      207 <212> TYPE: PRT
      208 <213> ORGANISM: Bothrops jararaca
      210 <220> FEATURE:
      211 <221> NAME/KEY: mat_peptide
      212 <222> LOCATION: (1)
      213 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
      215 <400> SEQUENCE: 13
W--> 216 Xaa Lys Pro Ala Pro
      217   1                  5
      219 <210> SEQ ID NO: 14
      220 <211> LENGTH: 5
      221 <212> TYPE: PRT
      222 <213> ORGANISM: Bothrops jararaca
      224 <220> FEATURE:
      225 <221> NAME/KEY: mat_peptide
      226 <222> LOCATION: (1)
      227 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
      229 <400> SEQUENCE: 14
W--> 230 Xaa Trp Phe Ala Pro
      231   1                  5
      233 <210> SEQ ID NO: 15
      234 <211> LENGTH: 5
      235 <212> TYPE: PRT
      236 <213> ORGANISM: Bothrops jararaca
      238 <220> FEATURE:
      239 <221> NAME/KEY: mat_peptide
      240 <222> LOCATION: (1)
      241 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
      243 <400> SEQUENCE: 15
W--> 244 Xaa Ser Phe Ala Pro
      245   1                  5
      247 <210> SEQ ID NO: 16
      248 <211> LENGTH: 5
      249 <212> TYPE: PRT
      250 <213> ORGANISM: Bothrops jararaca
      252 <220> FEATURE:
      253 <221> NAME/KEY: mat_peptide
      254 <222> LOCATION: (1)
      255 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
      257 <400> SEQUENCE: 16
W--> 258 Xaa Lys Phe Ala Pro
```

```
       259   1              5
       261 <210> SEQ ID NO: 17
       262 <211> LENGTH: 5
       263 <212> TYPE: PRT
       264 <213> ORGANISM: Bothrops jararaca
       266 <220> FEATURE:
       267 <221> NAME/KEY: mat_peptide
       268 <222> LOCATION: (1)
       269 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       271 <400> SEQUENCE: 17
W-->   272 Xaa Trp Gly Ala Pro
       273   1              5
       275 <210> SEQ ID NO: 18
       276 <211> LENGTH: 5
       277 <212> TYPE: PRT
       278 <213> ORGANISM: Bothrops jararaca
       280 <220> FEATURE:
       281 <221> NAME/KEY: mat_peptide
       282 <222> LOCATION: (1)
       283 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       285 <400> SEQUENCE: 18
W-->   286 Xaa Ser Gly Ala Pro
       287   1              5
       289 <210> SEQ ID NO: 19
       290 <211> LENGTH: 5
       291 <212> TYPE: PRT
       292 <213> ORGANISM: Bothrops jararaca
       294 <220> FEATURE:
       295 <221> NAME/KEY: mat_peptide
       296 <222> LOCATION: (1)
       297 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       299 <400> SEQUENCE: 19
W-->   300 Xaa Lys Gly Ala Pro
       301   1              5
       304 <210> SEQ ID NO: 20
       305 <211> LENGTH: 5
       306 <212> TYPE: PRT
       307 <213> ORGANISM: Bothrops jararaca
       309 <220> FEATURE:
       310 <221> NAME/KEY: mat_peptide
       311 <222> LOCATION: (1)
       312 <223> OTHER INFORMATION: Xaa is a pyrrolidone carboxilic acid
       314 <400> SEQUENCE: 20
W-->   315 Xaa Ser Trp Arg Pro
       316   1              5
       318 <210> SEQ ID NO: 21
       319 <211> LENGTH: 5
       320 <212> TYPE: PRT
       321 <213> ORGANISM: Bothrops jararaca
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/09/2005
PATENT APPLICATION: US/10/537,264   TIME: 10:50:25

Input Set : N:\RJAVED\10537264.raw.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1
Seq#:2; Xaa Pos. 1
Seq#:3; Xaa Pos. 1
Seq#:4; Xaa Pos. 1
Seq#:5; Xaa Pos. 1
Seq#:6; Xaa Pos. 1
Seq#:7; Xaa Pos. 1
Seq#:8; Xaa Pos. 1
Seq#:9; Xaa Pos. 1
Seq#:10; Xaa Pos. 1
Seq#:11; Xaa Pos. 1
Seq#:12; Xaa Pos. 1
Seq#:13; Xaa Pos. 1
Seq#:14; Xaa Pos. 1
Seq#:15; Xaa Pos. 1
Seq#:16; Xaa Pos. 1
Seq#:17; Xaa Pos. 1
Seq#:18; Xaa Pos. 1
Seq#:19; Xaa Pos. 1
Seq#:20; Xaa Pos. 1
Seq#:21; Xaa Pos. 1
Seq#:22; Xaa Pos. 1
Seq#:23; Xaa Pos. 1
Seq#:24; Xaa Pos. 1
Seq#:25; Xaa Pos. 1
Seq#:26; Xaa Pos. 1
Seq#:27; Xaa Pos. 1
Seq#:28; Xaa Pos. 1
Seq#:29; Xaa Pos. 1
Seq#:30; Xaa Pos. 1
Seq#:31; Xaa Pos. 1,4
Seq#:32; Xaa Pos. 1,4
Seq#:33; Xaa Pos. 1,4
Seq#:34; Xaa Pos. 1,4
Seq#:35; Xaa Pos. 1,4
Seq#:36; Xaa Pos. 1,4
Seq#:37; Xaa Pos. 1,4
Seq#:38; Xaa Pos. 1,4
Seq#:39; Xaa Pos. 1,4
Seq#:40; Xaa Pos. 1,4
Seq#:41; Xaa Pos. 1,4
Seq#:42; Xaa Pos. 1,5
Seq#:43; Xaa Pos. 1,5
Seq#:44; Xaa Pos. 1,5

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Input Set : **N:\RJAVED\10537264.raw.txt**
Output Set: **N:\CRF4\06092005\J537264.raw**

Seq#:45; Xaa Pos. 1,5
Seq#:46; Xaa Pos. 1,5
Seq#:47; Xaa Pos. 1,5
Seq#:48; Xaa Pos. 1,5
Seq#:49; Xaa Pos. 1,5
Seq#:50; Xaa Pos. 1,5
Seq#:51; Xaa Pos. 1,5

VERIFICATION SUMMARY   DATE: 06/09/2005
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Input Set : **N:\RJAVED\10537264.raw.txt**
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```
L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
```

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```
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
```